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THE PRINCIPLES OF LOGIC. By *Herbert Austin Aikens, Ph. D.*, Leffingwell Professor of Philosophy in the College for Women of Western Reserve University. New York: Henry Holt & Company. 1902. Pages, x, 489.

Dr. Aikens has written a very satisfactory text-book of elementary logic. In simple language he has expounded not only the traditional logic, but also that broader and more flexible art of reasoning and of detecting of fallacies which the accumulated common sense of the world has made the patrimony of nearly every branch of human action and endeavor. Thus, in addition to the usual chapters on propositions, laws of thought, inference, the syllogism and its figures, deduction and induction, we have also chapters on the meaning of words and sentences, the use of single words and phrases, the uniformity of nature, the logic of science, statistics, averages, probabilities, observation and memory, discovery of past and future events, testimony, evidence, and the tests of truth. The "algebra of logic" has been omitted altogether. The fourth figure of the syllogism has not appeared to the author to represent any distinct principle of reasoning, and has therefore in his judgment no proper place in the objective treatment of logic; but he has explained nevertheless the traditional way of dealing with it. The author likewise lays special stress on his treatment of deduction, which he has approached from an altogether objective standpoint, similar to that assumed in the treatment of induction.

The literature of logic has been well digested in this volume, and the numerous examples and illustrations which the author has culled from his own reading are pertinent. This text-book will undoubtedly meet with a favorable reception.

THE TUTORIAL ARITHMETIC. By *W. P. Workman, M. A., B. Sc.*, Assisted by *R. H. Chope, B. A.* London: W. B. Clive. New York; Hinds & Noble, Cooper Union. Pages, 553. Price, 3s. 6d., or \$1.00.

We have before called attention in *The Open Court* to the admirable series of text-books published by the University Tutorial Press for the University Correspondence College of London, Eng. These books are especially adapted for self-instruction and contain an abundance of good explanatory material which most books leave for the teacher to supply. The newest book of the series is Workman and Chope's *Arithmetic*. While admittedly much hampered by the tyranny of the English examination system, the barbarous system of weights and measures, and the traditional divorce of arithmetic and algebra, the authors have produced a very useful book. A logical and scientific treatise on arithmetic, unimpeachable in all formal respects, they do not pretend to give. But they have made amends for this by offering much valuable material that is entirely missing in the ordinary text-book and which teachers at least will be delighted to have. The ample sections on Approximations and Contracted Operations are something that was greatly needed. The treatment of factoring, of the multiplication of fractions, and of compound proportion is claimed by the authors as novel, and much prominence has been given to questions